E. C. Day Bursting Success

Schneider, Gabbard Given Bolt Prizes for Essay, Poems

Winners of the Bolt Essay Prize and the Bolt Prize for Imaginative Writing have been announced by the Department of Humanities. The following prizes were awarded:

- Essay prize of $75, $50, and $25, respectively, to: Victor B. Schneider '63, for "The Art of Characterization in Dante's Inferno"; to George Stephen Harbin '64 for "Nature in Knut's Poetic: A Survey"; and to Victor B. Schneider for "An Ecstatic Simple: A Story of Venice and Clandestine".
- Gabbard '63 for a short story, "Parturition"; and to Jean Pierre F surfaces '62 for a short story, "Just Like Mather's". Honorable mention was given to Diana Stuart Abel '63 for his poetry collection, "An Elephant Tragedy"; to William Byrd for his short story, "The Passing"; and to Daniel Swibu '62 for his play, "The Swatu.

The Ellen King Prize for best writing by a freshman was not awarded this year.

The Stratton prize for excellence in debating to the outstanding undergraduate freshman ($40) went to Madis Byrd '65.

The Massachusetts Affidavit Society says the lovely anchovy has an eye at the end of each arm so he can see in all directions at once.

The parallels were beset by some twenty-four hours by the traditions of East Campus Day. This annual event allows residents to vent their pent up emotions via water balloon fights and other means. Shown above are members of the dorm's Judcomm engaged in a croquet game while serving as targets for the missiles of their constituents. Some 150 gross of balloons were sold at 70 cents a gross by the house committee for use as ammunition. Results of the festivities included a large quantity of water damage on East Campusites and over ten broken windchows.

Shown above is a scene from "The Dribiker's Diga is the Smoker's Scarecrow, or A Prudent Holocaust" as originally presented by Senior House in their courtyard last Saturday evening.

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Maser Beam

Light Bounced Off Moon

By Robert Benbeck

Light from an optical maser was beamed on the moon last Wednesday morning, for the first time, man was able to detect its reflections back to earth.

This was accomplished by engineers from MIT's Research Laboratory for Electronics. The experimental team was headed by Professor Louis Small, of the MIT Department of Electrical Engineering, who is a staff member at RLE.

The optical maser used was a 30-kilocycle ruby crystal device made by the Raytheon Co. It was mounted on a telescope system located at Lincoln Laboratory in Lexington, Mass.

Three synchronous telescopes arranged parallel to each other and fixed in a single mount were used. A 12-inch diameter telescope was used for transmitting the light, a 45-inch diameter one for receiving the reflected light, and a much smaller one for optically tracking and sighting the moon.

Thirteen bursts of red light (approximately 1/200 sec. in duration) were beamed onto the dark portion of the moon's face at one minute intervals between 8:55 p.m. and 9:07 p.m.

The light fell in a mountainous area southeast of the crater Alba- toplius, in the northeastern quadrant of the moon's face and illuminated a circular area which is estimated to be about 2 miles in diameter.

A person standing in this circle on the moon and looking back at the earth would have seen a bright flash. The illumination on the moon's surface was roughly equivalent to a one-watt bulb in a large room.

The light traveled the round trip of approximately 300,000 miles in about 2.51 seconds. Out of the 200 billion photons transmitted, only 10-30 photons returned through the receiving telescope and were detected. The experiments were 95% sure that the light ray detected was the light they had transmitted.

An optical maser (acronym for "molecular amplification by stimulated emission radiation") produces monochromatic, polarized, "blue" light in relatively small quantities. It is used as an amplifier or "coherent" light. Such a beam of light is extremely directional.

The maser was invented and developed by Dr. Charles H. Townes, MIT provost.

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